



SciDAC 2007



Tuesday, June 26

7:30 am	Working breakfast: participants to discuss their work for the day's meeting, session chairs to finalize introductions, and Boardroom & BOF signup	
8:30 am	Technical session: Two 40-minute featured talks Session Chair: Phil Colella, LBNL	
DoD: 8:30 - 9:15	Supercomputing in DoD	Cray Henry DoD
Physics: 9:15-10:00	Building a Universal Nuclear Energy Density Functional	George Bertsch U. Washington
10:00 am	Discussion Break: <i>(light refreshments)</i>	
10:30 am	Technical session: Three 25-minute invited talks Session Chair: John Cary, TechX	
Applied Math: 10:30-11:00	Optimization problems and algorithms in SciDAC applications	Jorge Moré ANL
Accelerators: 11:00 - 11:30	Parallel Simulation of Electron Cooling Physics for Relativistic Ion Beams	David Bruhwiler TechX
Accelerators: 11:30 - 12:00	Three-Dimensional Particle-in-Cell Simulations of Laser Wakefield Experiments	Frank Tsung UCLA
Noon	Working Lunch: BOFs <i>(discussion topics assigned to individual tables)</i>	
1:30 pm	Technical session: Three 25-minute invited talks Session Chair: Giulia Galli, UC-Davis	
Chemistry/Materials: 1:30 - 2:00	Ab initio simulations of materials and molecular systems	Eric Schwegler LLNL
Chemistry/Materials: 2:00 - 2:30	The Multi-Scale Challenge to Many Body Theory	Mark Jarrell U. Cincinnati
Combustion: 2:30 - 3:00	Whole-System Simulation of Solid Propellant Rockets	Mike Heath U. Illinois
3:00 pm	Discussion Break: <i>(light refreshments)</i>	
3:30 pm	Technical session: Three 25-minute invited talks Session Chair: William Tang, PPPL	
Fusion: 3:30 - 4:00	Plasma microturbulence simulation of instabilities at highly disparate scales	Jeff Candy GAT
Fusion: 4:00 - 4:30	Evolution of Nonthermal Particle Distributions in Radio Frequency Heating of Fusion Plasmas	Paul Bonoli MIT
Sci. Visualization: 4:30 - 5:00	Petascale Visual Data Analysis in a Production Computing Environment	Sean Ahern ORNL
5:00 pm	Free time: Enjoy Boston!	
7:30 pm	Poster Session: light refreshments <i>(in lieu of working dinner)</i> - courtesy of SiCortex	
9:30 pm	Adjourn for the day	